

FIG. 1  
PRIOR ART

200

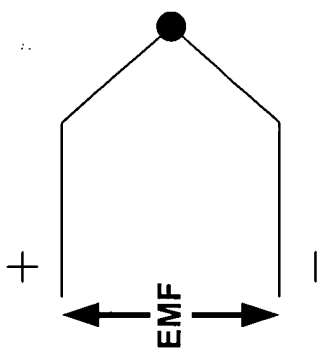


FIG. 2  
PRIOR ART

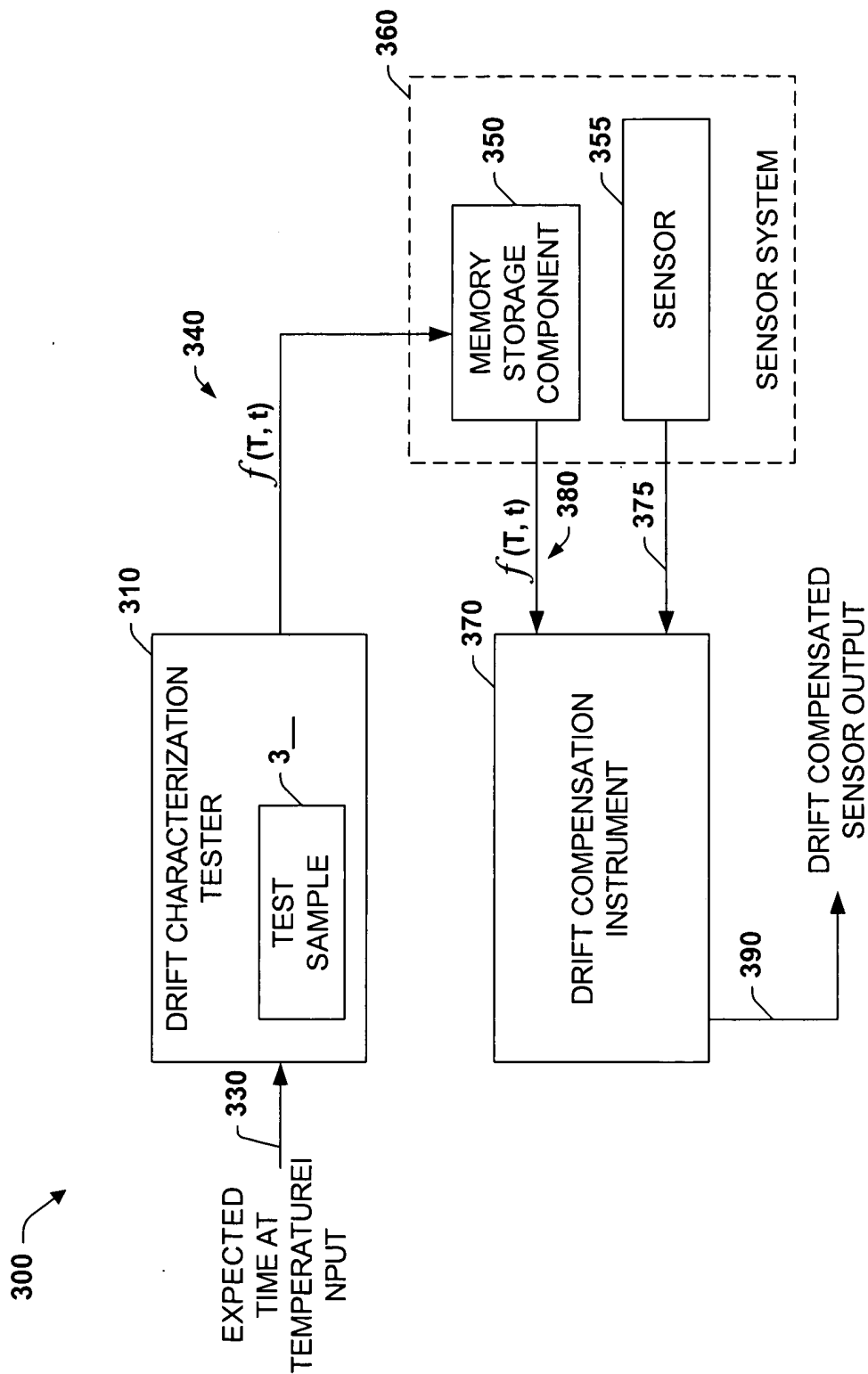


FIG. 3

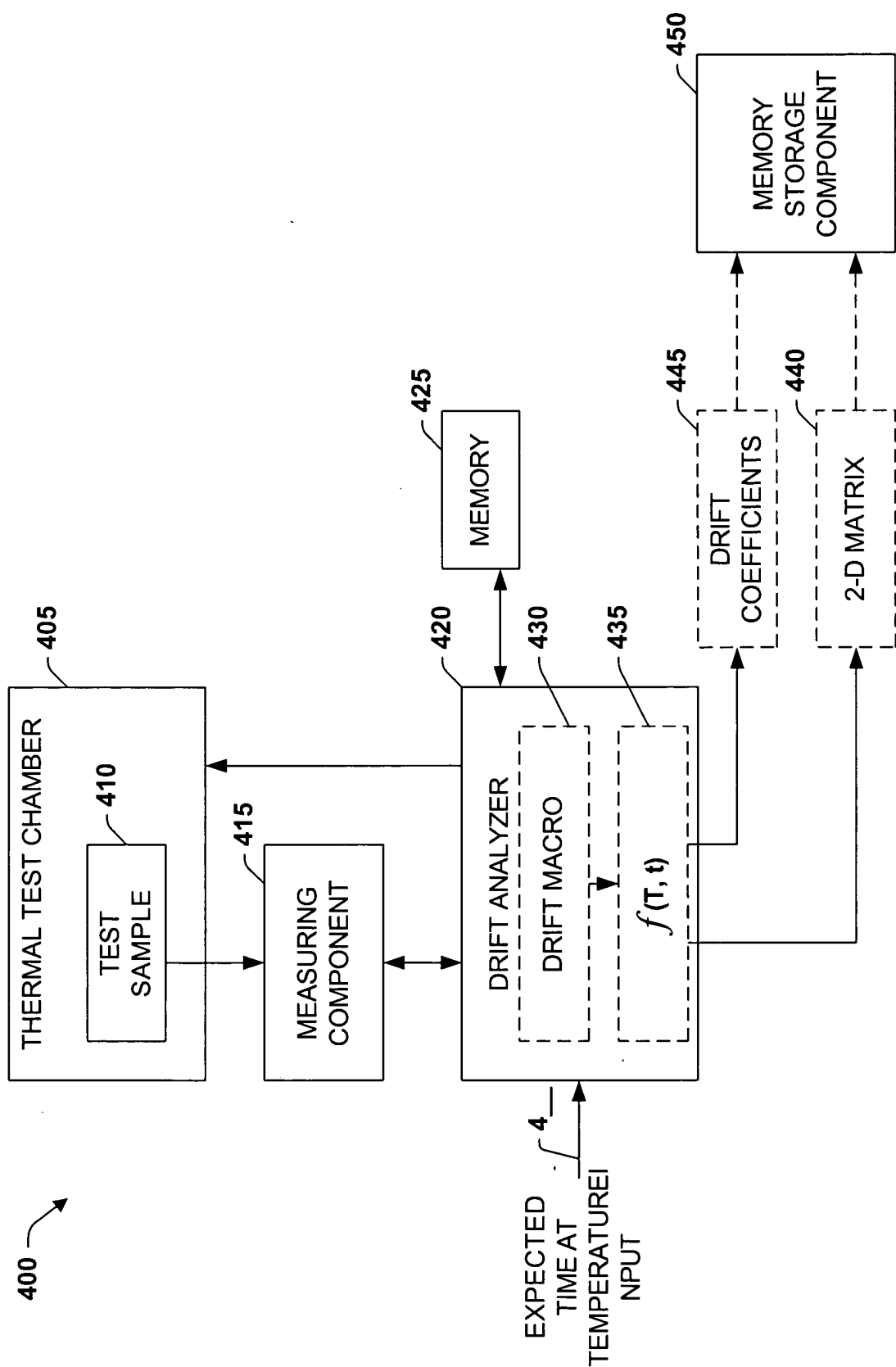


FIG. 4

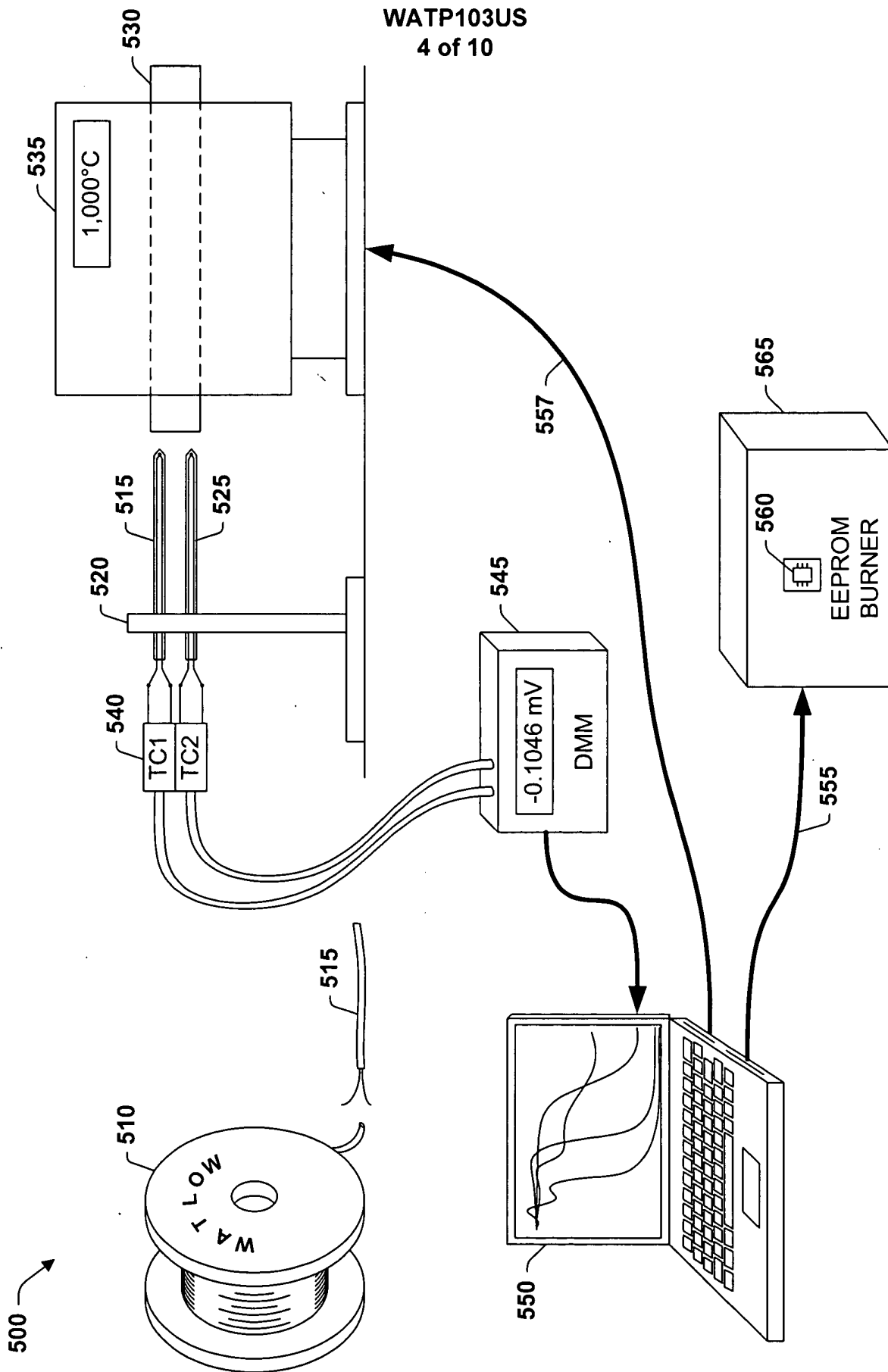


FIG. 5

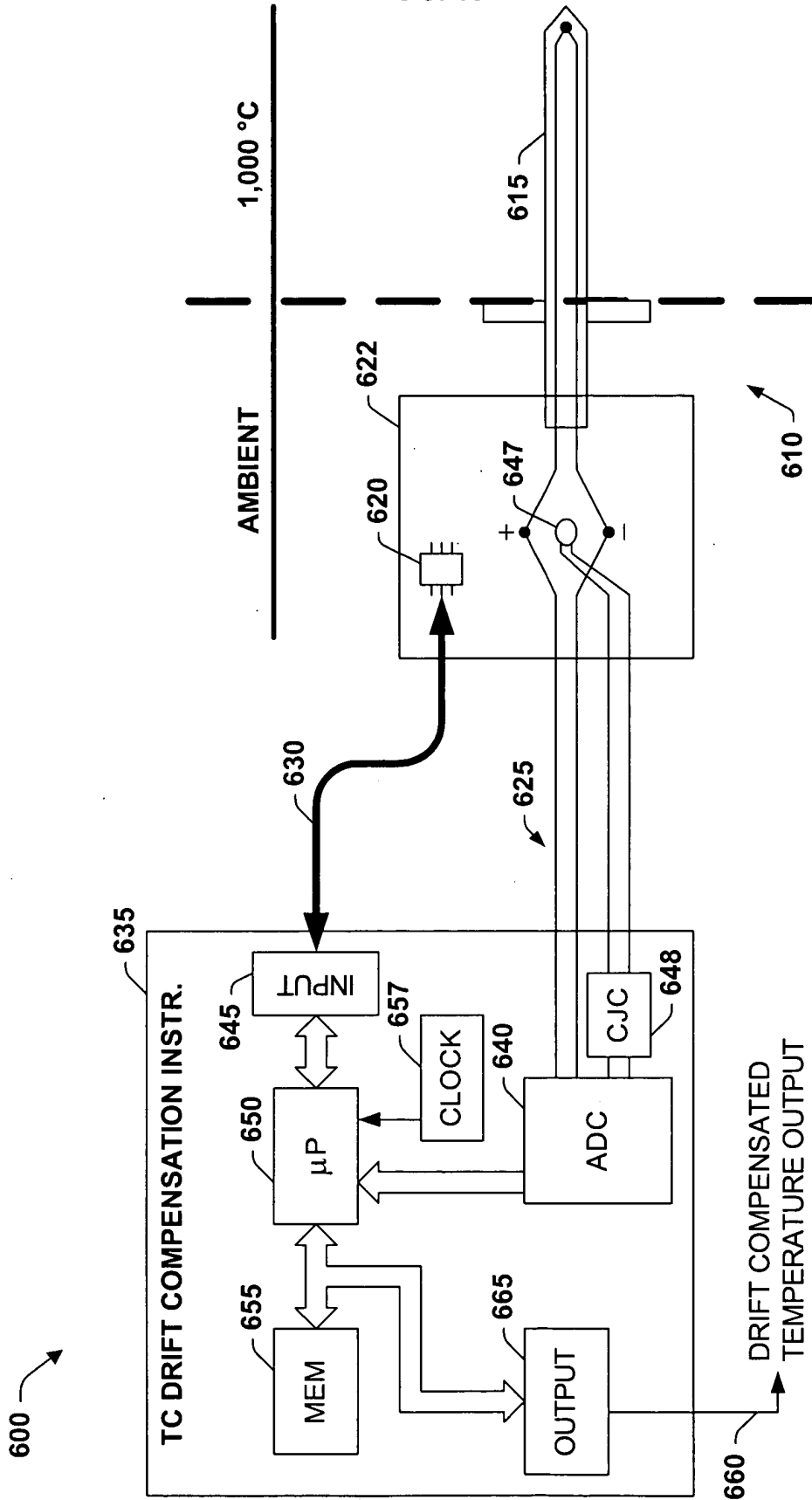


FIG. 6

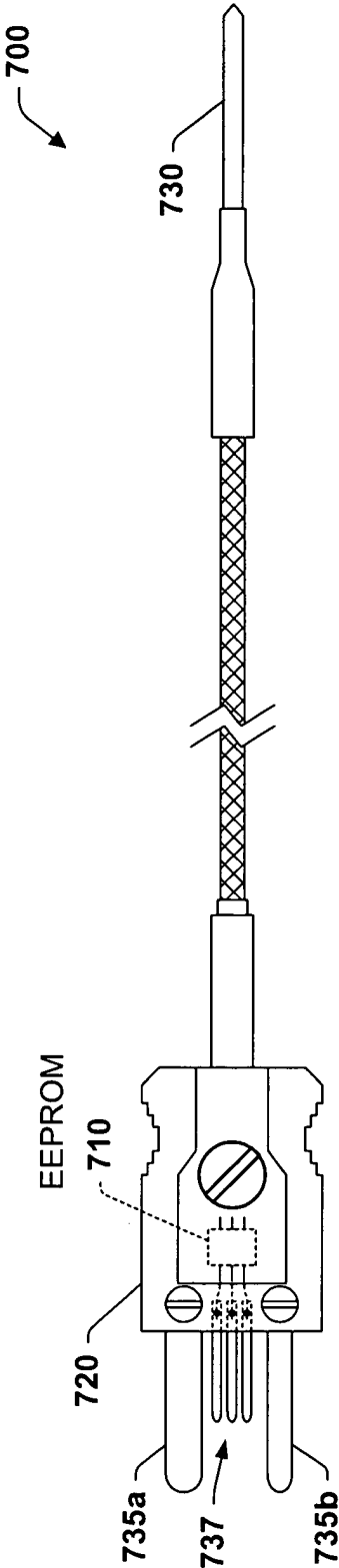


FIG. 7A

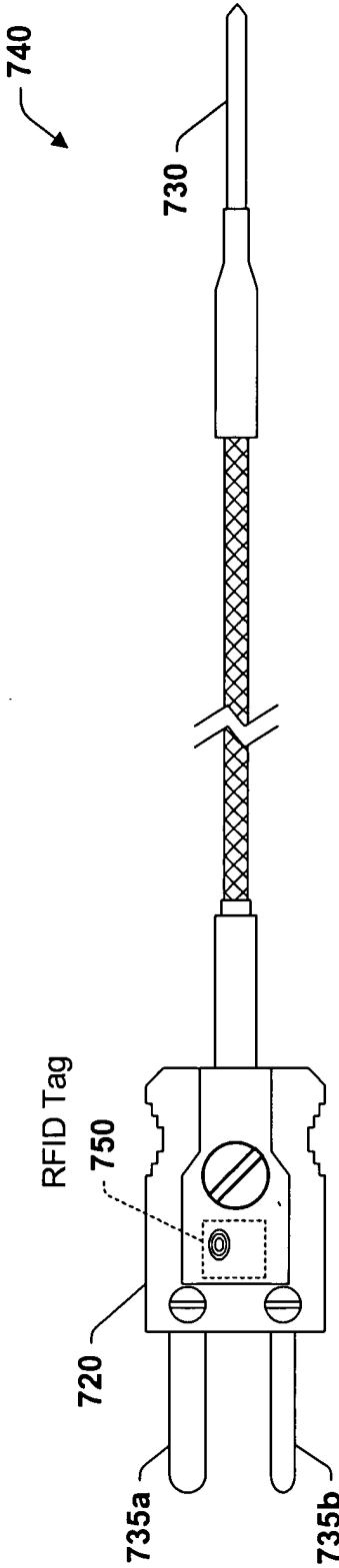


FIG. 7B

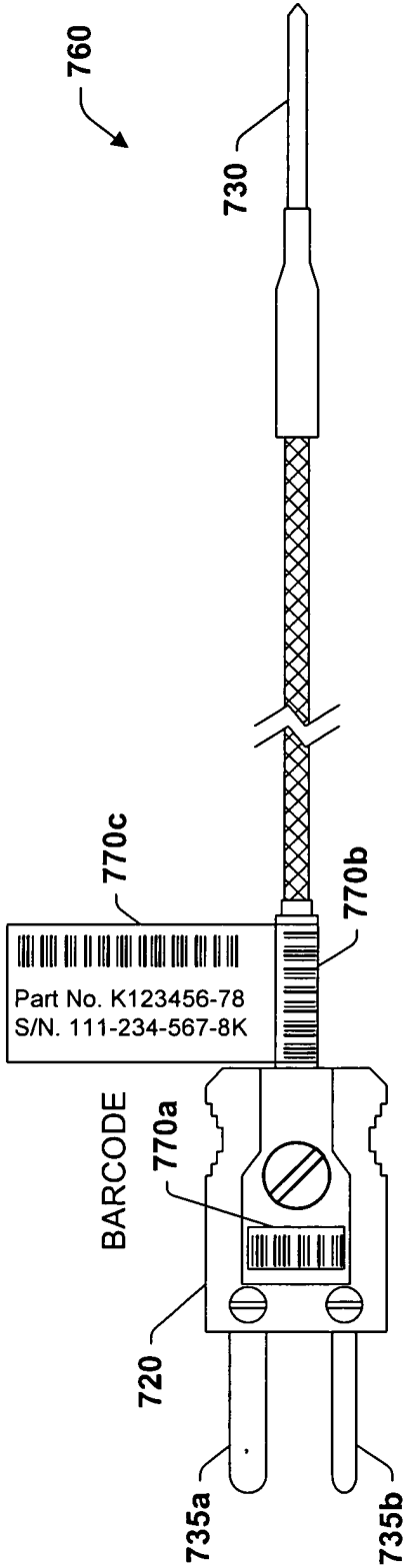
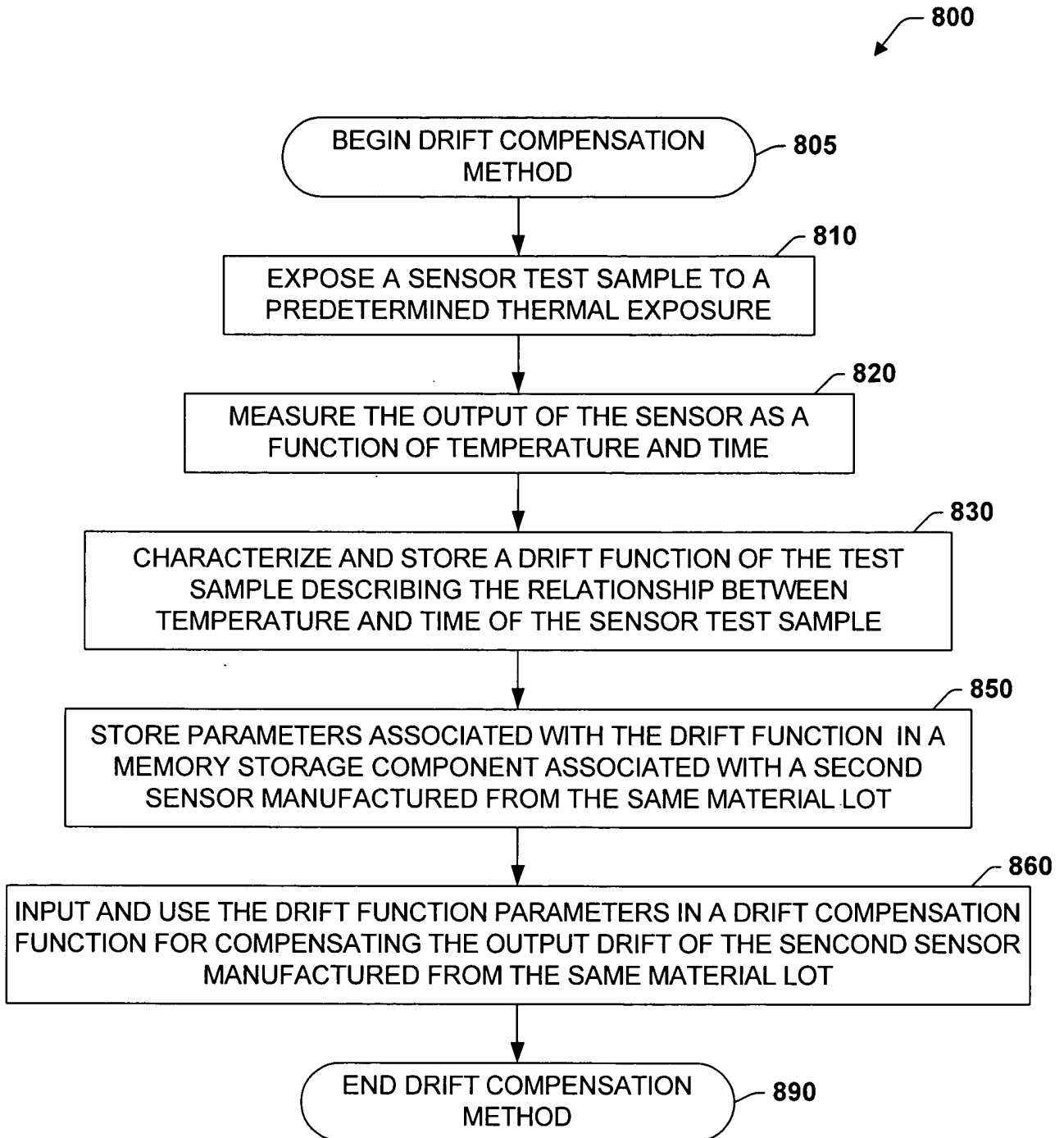


FIG. 7C



**FIG. 8**

900

2D Data for Storage	
Time (hrs)	Drift (°C)
0	0
24	-2.07
48	-4.95
72	-6.72
96	-8.86
168	-14.02
192	-15.29
240	-17.91
336	-22.16
360	-23.82
408	-25.66
528	-28.54
552	-29.30
672	-32.28
720	-34.86

FIG. 9

1000

Fitted Data Coefficients			
Coefficient	Segment T1	Segment T2	Segment T3
C2	0.000125	6.01E-05	-2.88E-05
C1	-0.104619	-0.083204	0.004296
C0	0.077962	-1.440902	-22.69574
t <sub>LOW</sub>	0	240	500
t <sub>HIGH</sub>	240	500	720

1010

$$\text{DRIFT} = C2(t^2) + C1(t) + C0$$

(Over Time segment: t<sub>LOW</sub> to t<sub>HIGH</sub>)

FIG. 10



1100

# 30 Day Drift Test 2300°F

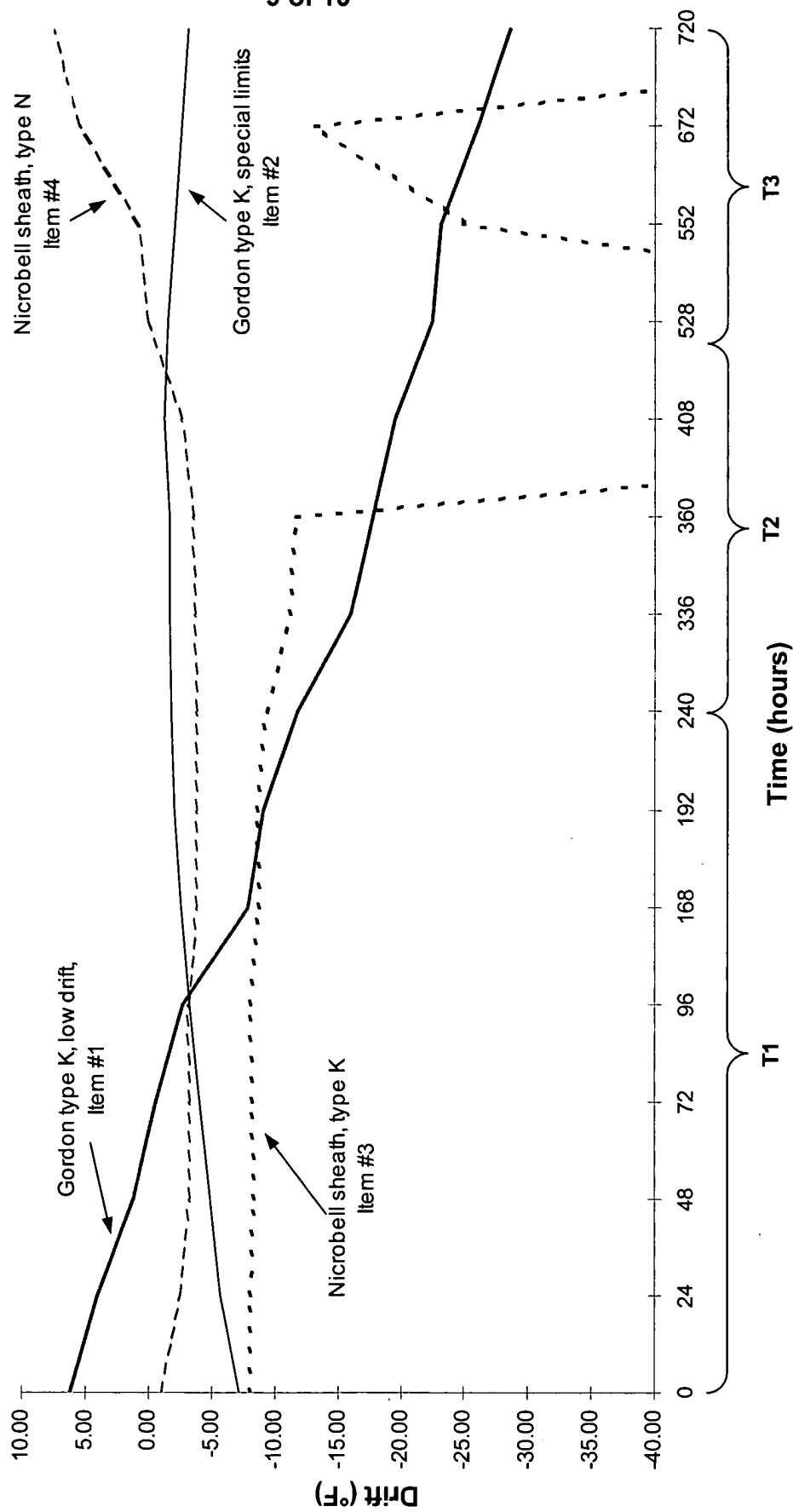
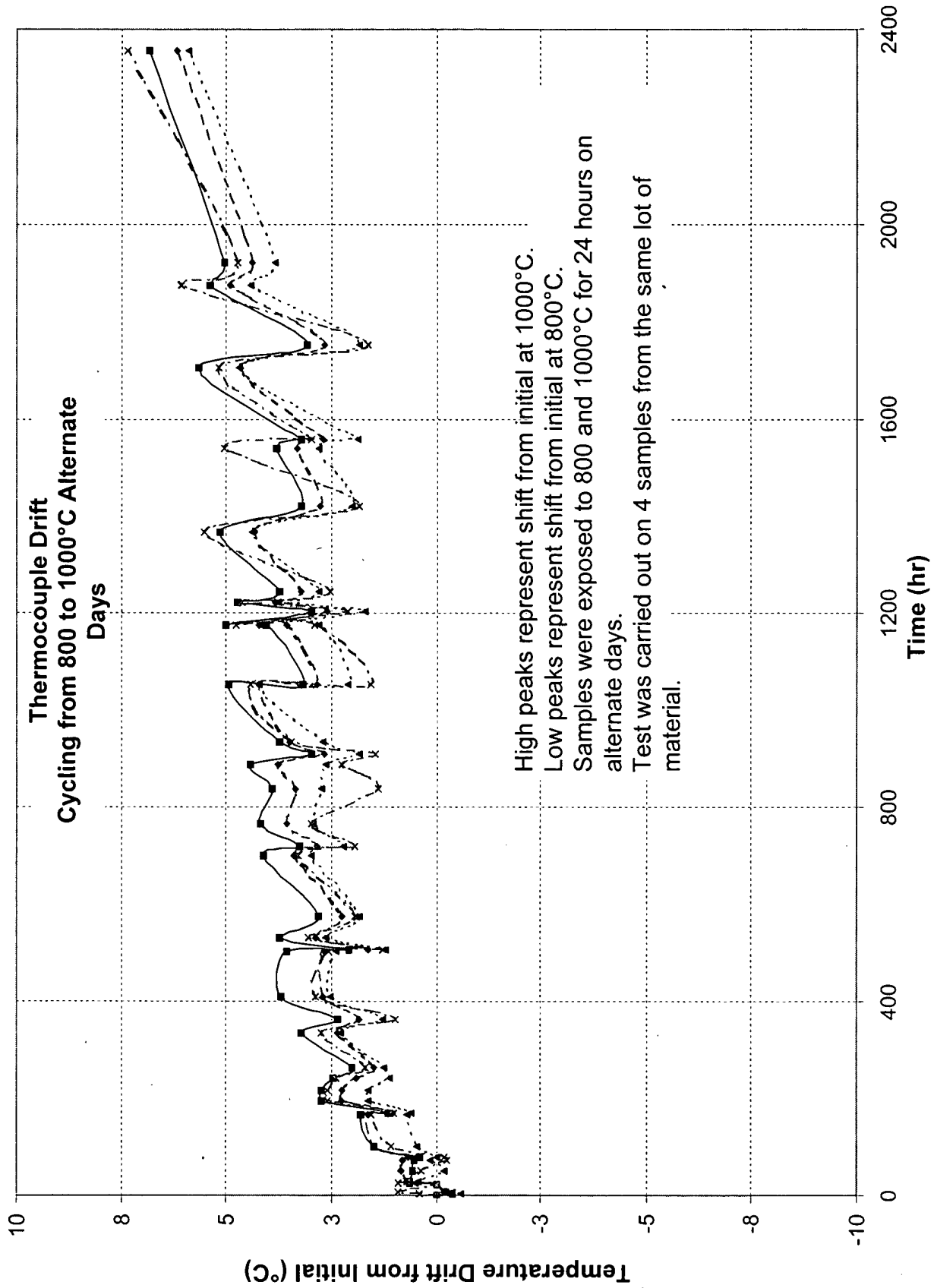


FIG. 11



**Fig. 12**